

AD Sonic U9 FCC

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

NXP UCODE 9

Antenna Dimensions

44 x 20 mm / 1.73 x 0.79 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Apparel
Logistics
Retail

Applications

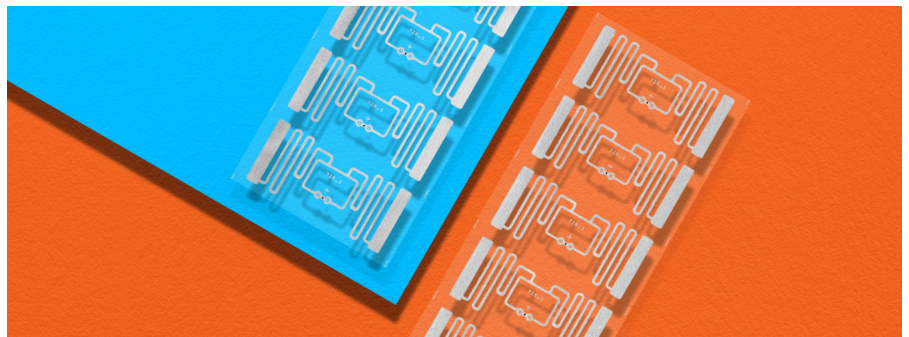
Supply Chain Management
Brand Protection
Home Essentials

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Robust and Compact with High Performance

AD Sonic U9 FCC inlays are designed as a compact, robust and high performing solution. Ideal for apparel and retail applications, AD Sonic U9 FCC features a 44 x 20 mm antenna size, making it the preferred inlay when superior performance in a small form factor is required.

AD Sonic U9 FCC is equipped with NXP UCODE 9 chip, featuring 96 bits of EPC memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID.

Designed for high performance in retail applications AD Sonic U9 FCC passes the following Auburn ARC specs: F, G, Q, N, O, R, Y, W1, W2, W3, W4, W5, and W6.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

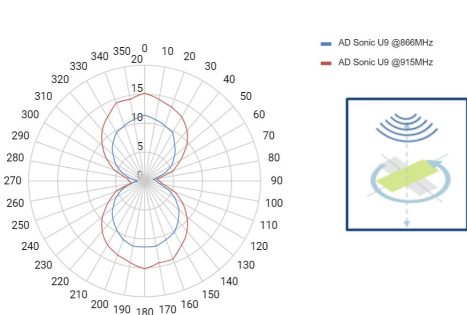
Technical features

Chip	NXP UCODE 9		
Chip Attachment Technology	Direct Chip Attach		
EPC and User Memory	96-bit and 0-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code*	IL-609607	IL-609603	IL-609608
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	46 x 22 mm / 1.81 x 0.87 in	46 x 22 mm / 1.81 x 0.87 in
Inlay Substrate	Clear PET	Clear PET	Clear PET
Face Sheet	–	–	Mid-gloss paper
Standard Pitch	24 mm / 0.945 in	24 mm / 0.945 in	24 mm / 0.945 in
Web Width	52 mm / 2.05 in	52 mm / 2.05 in	52 mm / 2.05 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	18,000 pcs/reel 90,000 pcs/box	15,000 pcs/reel 30,000 pcs/box	3,200 pcs/reel 6,400 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC specs : F, G, Q, N, O, R, Y, W1, W2, W3, W4, W5, and W6		

*Other product codes available upon request.

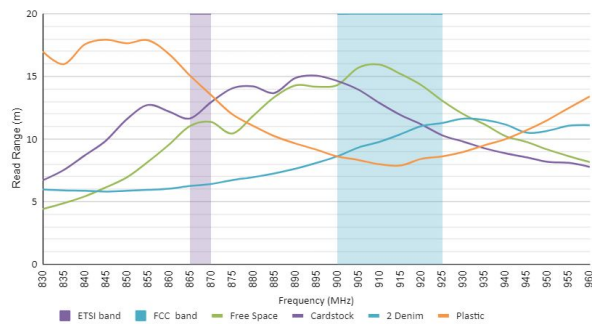
Orientation sensitivity

Read Distance on Free Space



Read range

Read Range



All graphs are indicative: performance in real life applications may vary.

Contact information

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Connect with us on:



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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

